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承认书项目表

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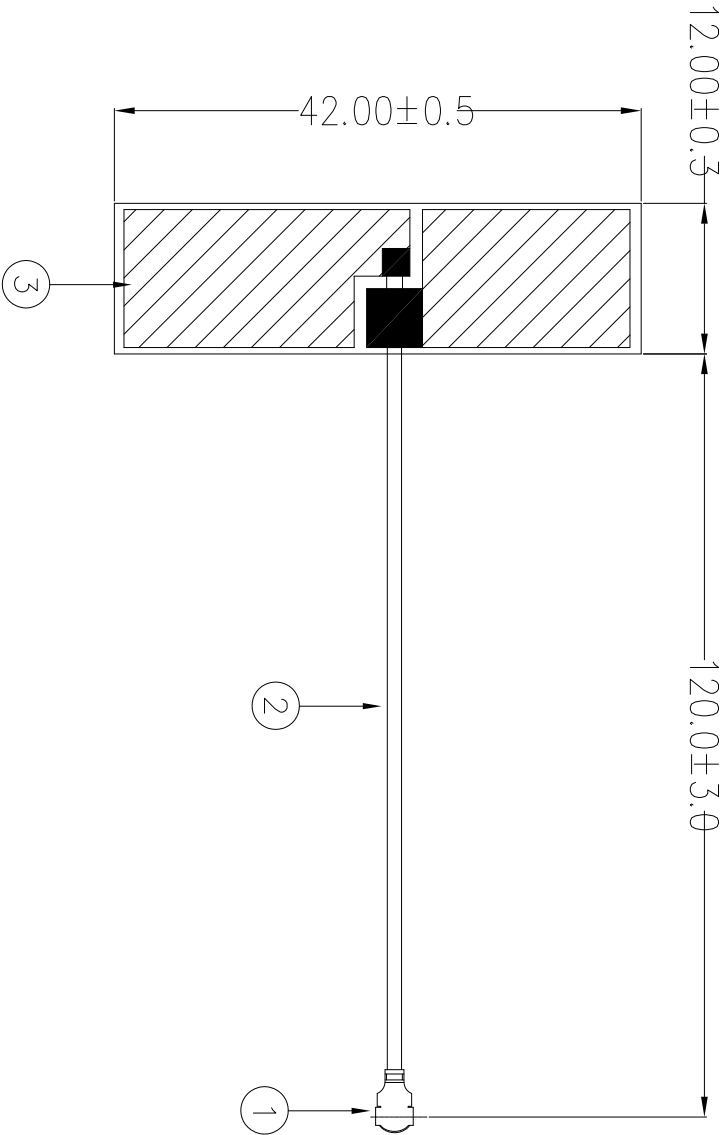


电 性 测 试 报 告

Test Reports

Electrical Properties	
Frequency	2400-2500MHz
Impedance	50 Ohm Nominal
V.S.W.R	1.92 : 1 Max
Return Loss	-10 dB Max
Radiation	Omni-directional
Gain (Peak)	2.54dBi
Cable Loss	3.2 dB / m Max @ 2450 MHz
Polarization	Linear, Vertical
Admitted Power	1 W
Connector	ipex
Physical Properties	
Antenna Material	FPC
Cable Type	O.D. 1.13mm // 120 mm
Operating Temp.	-40 ~ +85 °C
Storage Temp.	-40 ~ +85 °C
Cable Color	Black

SIGN	DATE	DESCRIPTION	APPROVER
△			
△			
△			



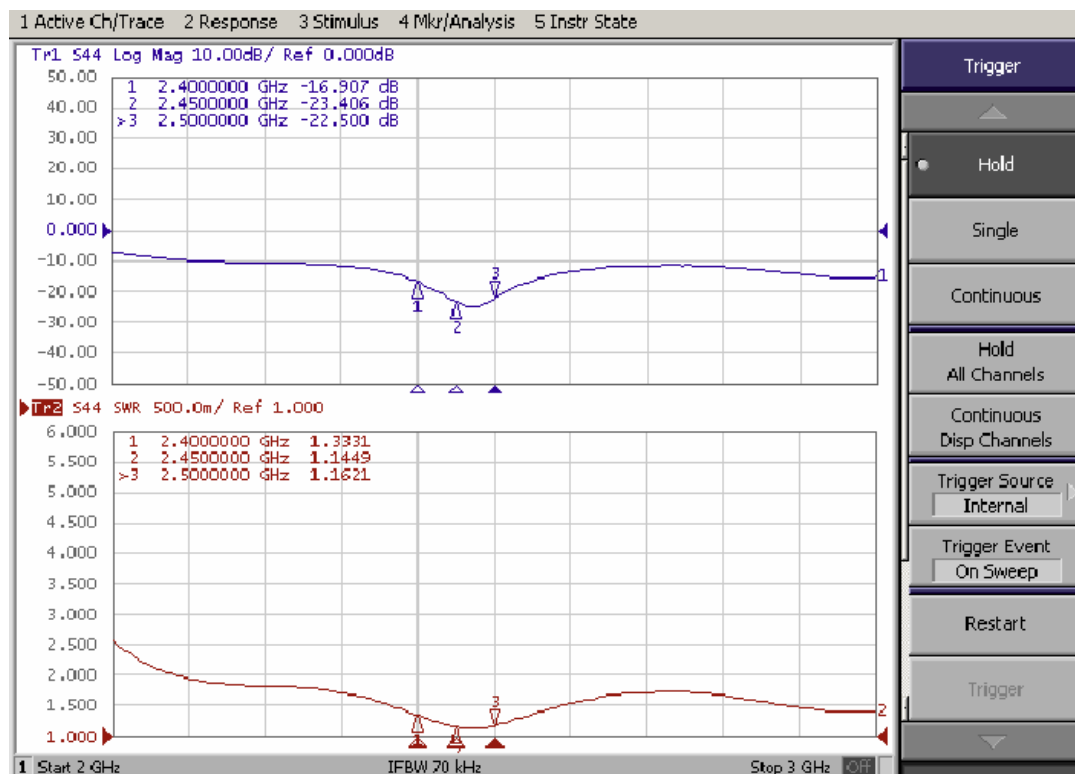
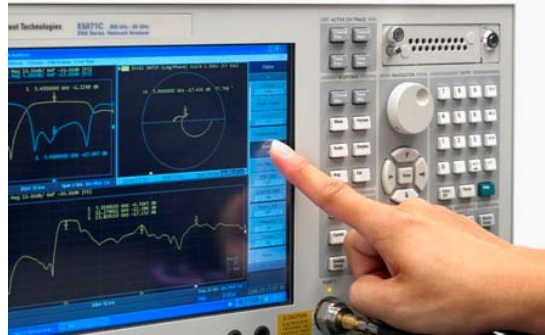
3	NB030B	FPC	42*12mm	1
2	R-CB-113B	Coaxial Cable	SHOWA-O.D. 1.13mm Black	1
1	Cl-113	Connector	Mini Connector	1
No.	Part Number	Name	Material	Q'ty

TITLE: 2.4GHz Antenna				
PART NO.: NB030-13B-IX130		DWG NAME: NB030-13B-IX130.DWG		
APPROVED BY	CHECKED BY	DESIGNED BY	Tolerance	
jeff 2014-02-26	leon 2014-02-26	YD 2014-02-26	UNITS: mm	X.X ±0.20
			SCALE: 1/1	X.XX ±0.10
			REVISION: A	X° ±3°

S 参数测试

S Parameter Test

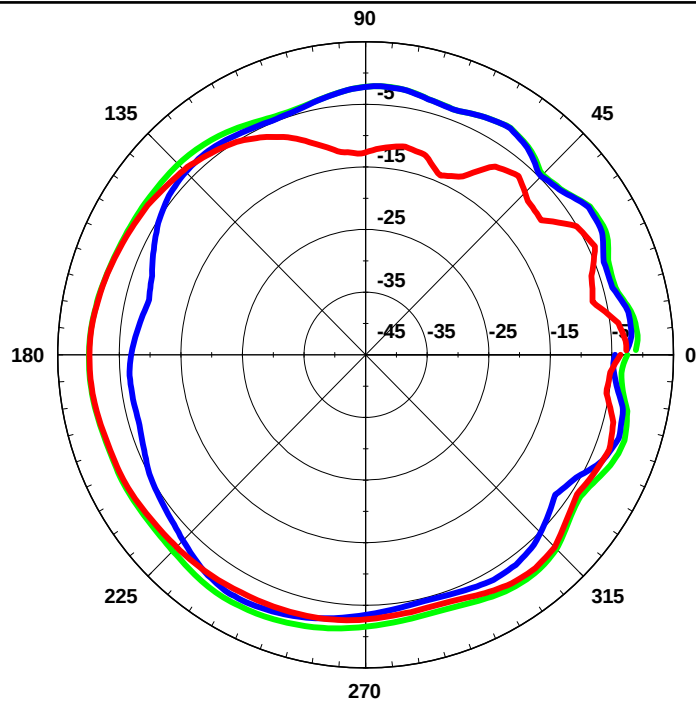
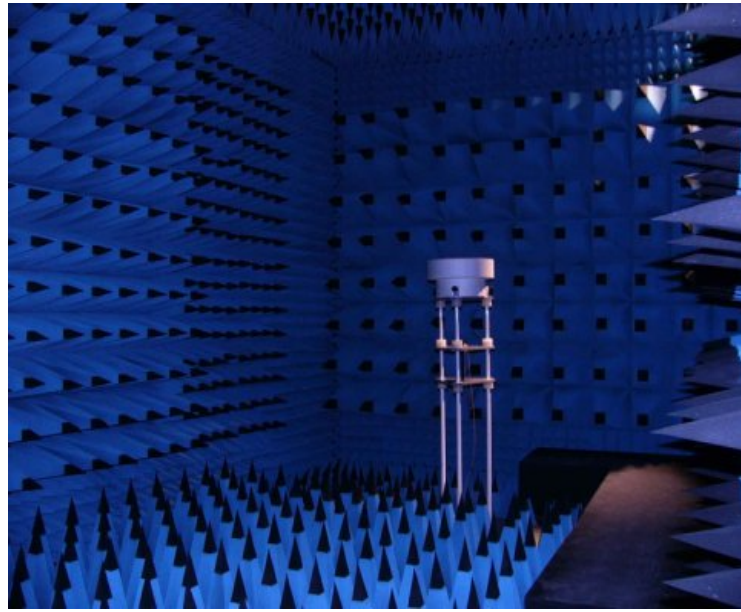
Agilent E5071C



增益测试

Gain Test

*Antenna
Radiation
Pattern
VS
Gain*



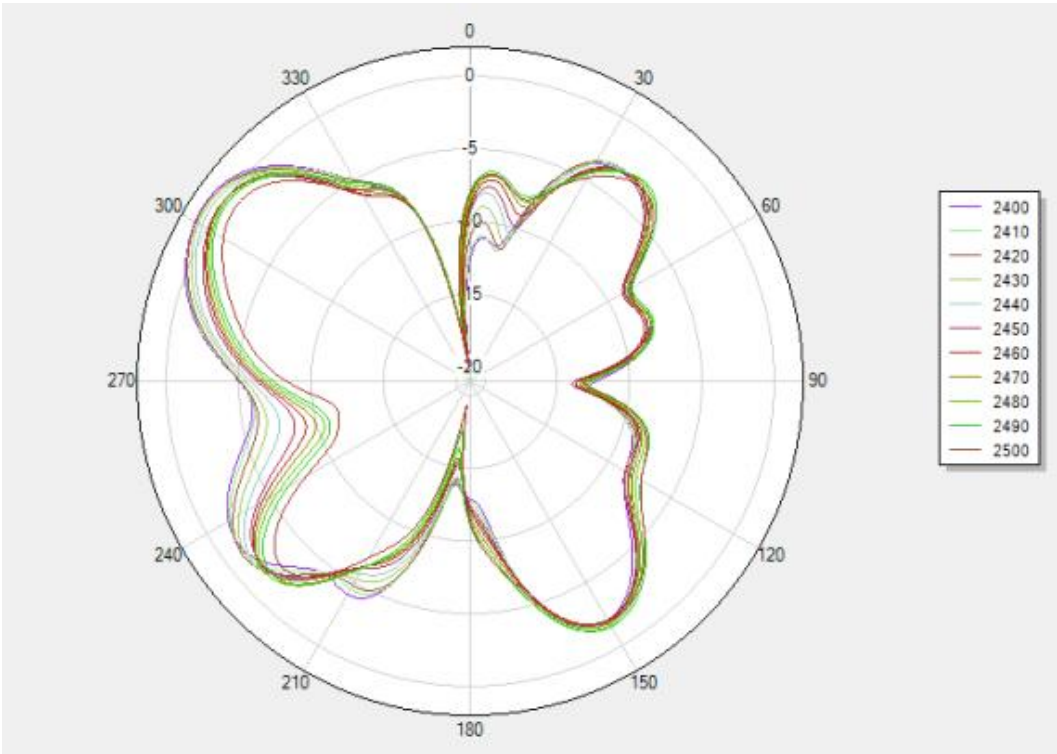
Test Results

Gain and Efficiency

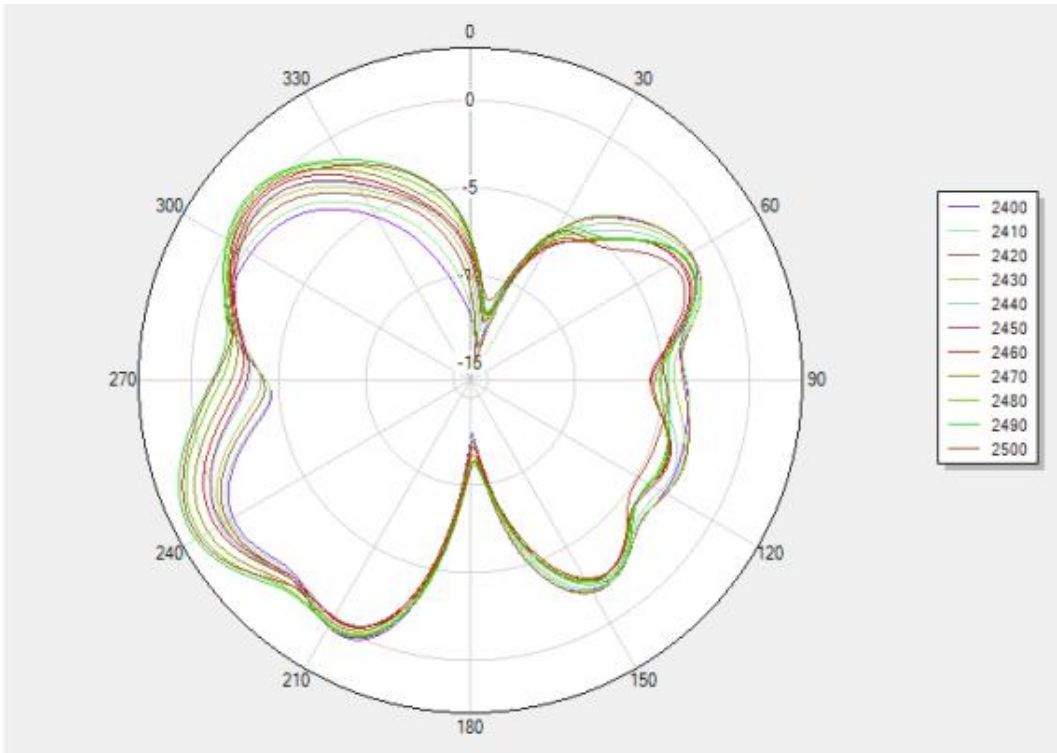
Frequency (MHz)	Peak Gain (dBi)	Efficiency (%)
2400	1.62	52.29
2410	1.71	52.17
2420	1.93	53.14
2430	1.98	54.16
2440	2.00	57.62
2450	2.17	59.64
2460	2.45	61.55
2470	2.38	60.64
2480	2.54	62.86
2490	2.30	59.85
2500	2.49	60.41

Radiation Pattern

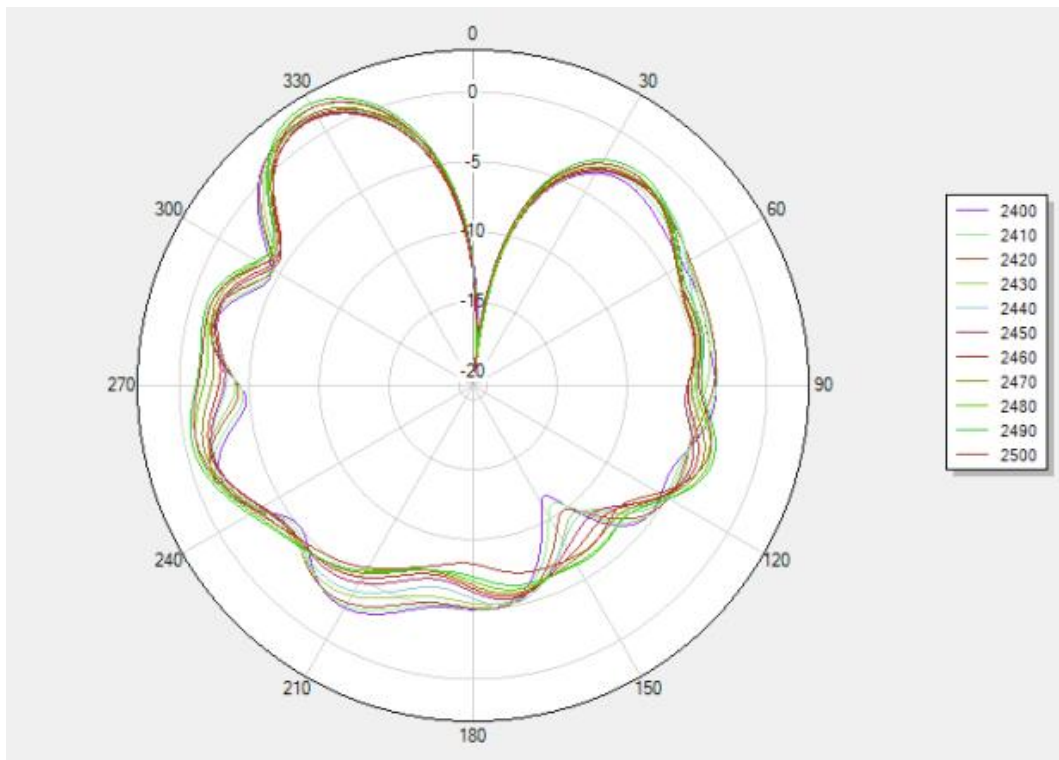
Phi 0 2D



Phi 90 2D



Theta 90 2D



2480MHz 3D

